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(71) Applicant:  
**3M Innovative Properties Company  
St. Paul, Minnesota 55133-3427 (US)**

(72) Inventor:  
**Wright, Robin E.,  
c/o 3M Innovative Prop. Company  
Saint Paul, Minnesota 55133-3427 (US)**

(74) Representative:  
**Meyers, Hans-Wilhelm, Dr.Dipl.-Chem. et al  
Patentanwälte  
von Kreisler-Selting-Werner  
Postfach 10 22 41  
50462 Köln (DE)**

(54) **Free radical polymerization process using a monochromatic radiation source**

(57) A method of preparing an adhesive composition that includes exposing a free-radically polymerizable pre-adhesive composition to a monochromatic radiation source having a peak intensity at a wavelength falling within the range of about 250 nanometers to about 600 nanometers to polymerize the pre-adhesive composition and form the adhesive composition.

**EP 0 964 003 A3**



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EUROPEAN SEARCH REPORT

Application Number  
EP 99 11 1194

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
D,A	DE 42 43 270 A (LOHMANN GMBH) 23 June 1994 (1994-06-23) ---		C08F2/48 C09J157/00
A	WO 93 20112 A (LOHMANN GMBH) 14 October 1993 (1993-10-14) ---		
A	EP 0 670 338 A (LOHMANN GMBH) 6 September 1995 (1995-09-06) ---		
A	WO 97 40090 A (MINNESOTA MINING AND MANUFACTURING CO.) 30 October 1997 (1997-10-30) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C08F
Place of search	Date of completion of the search	Examiner	
THE HAGUE	20 March 2001	Cauwenberg, C	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 11 1194

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 4243270 A	23-06-1994	AT 171955 T	15-10-1998
		DE 59309048 D	12-11-1998
		DK 674664 T	21-06-1999
		WO 9414853 A	07-07-1994
		EP 0674664 A	04-10-1995
		ES 2124867 T	16-02-1999
		JP 8504857 T	28-05-1996
WO 9320112 A	14-10-1993	DE 4211448 A	07-10-1993
		EP 0635031 A	25-01-1995
		JP 7505425 T	15-06-1995
EP 670338 A	06-09-1995	DE 4406978 A	07-09-1995
WO 9740090 A	30-10-1997	BR 9708703 A	03-08-1999
		EP 0894112 A	03-02-1999
		JP 2000509089 T	18-07-2000